

FIG. 1A (Prior Art)

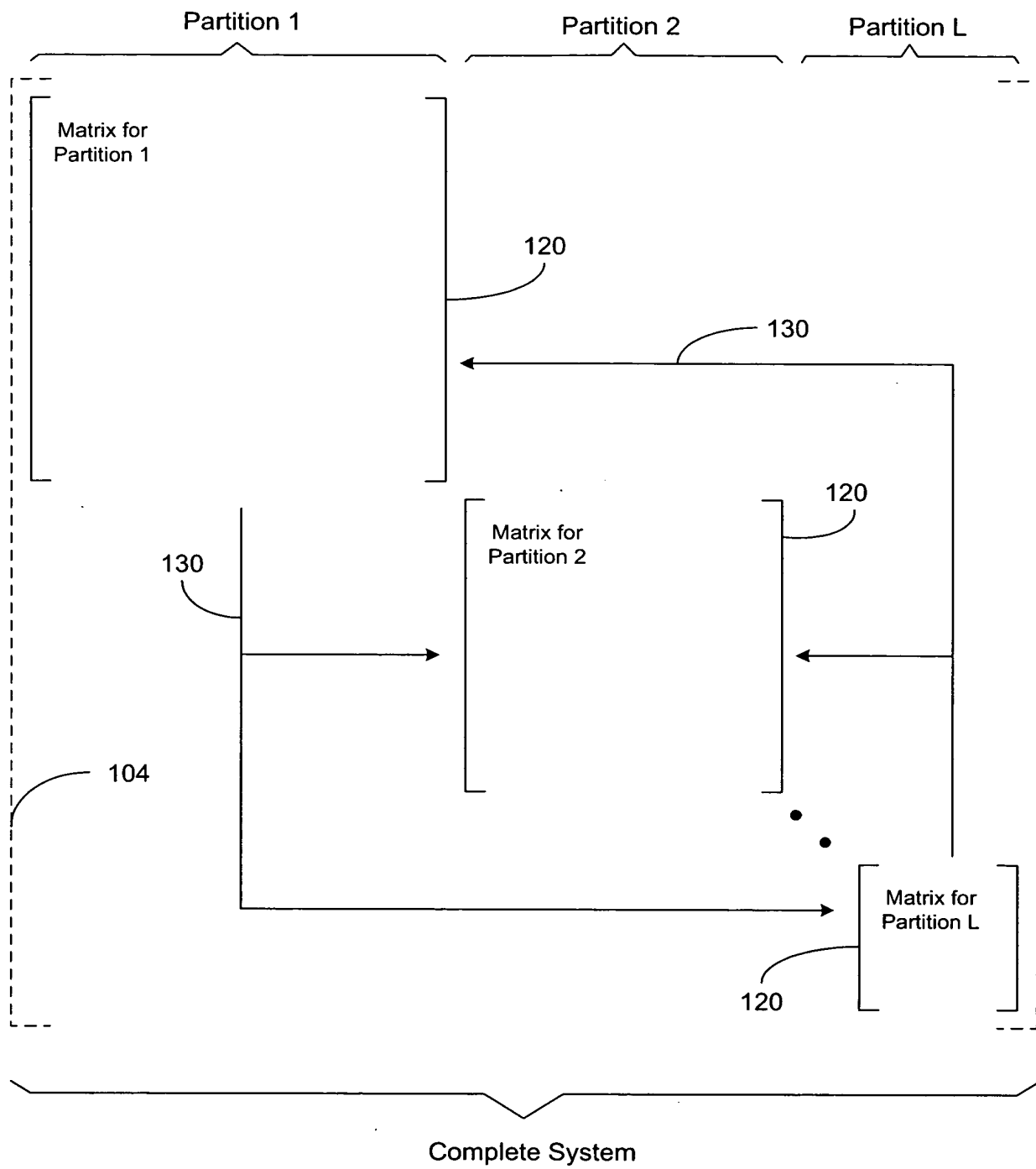


FIG. 1B (Prior Art)

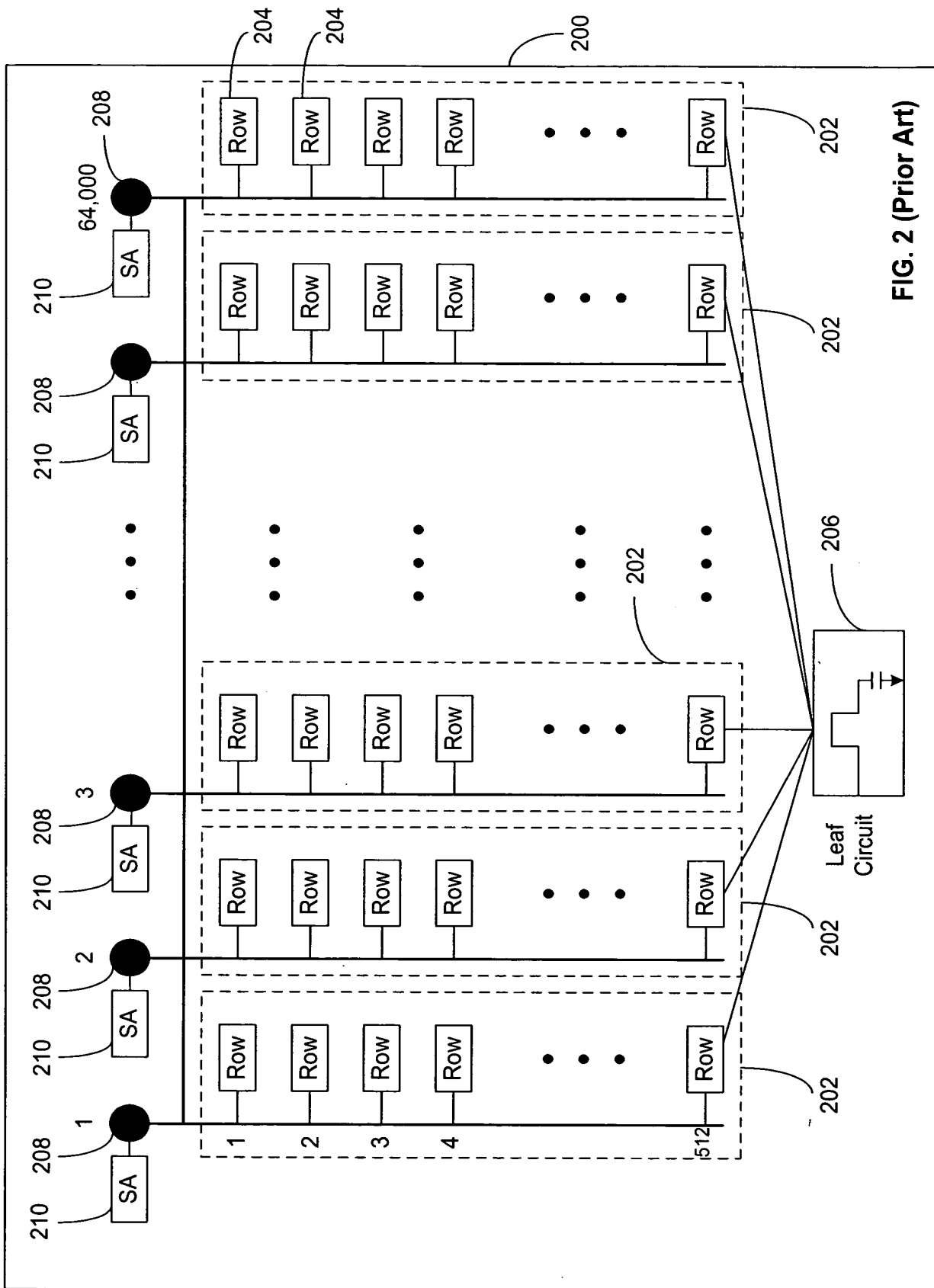


FIG. 2 (Prior Art)

Netlist Representation

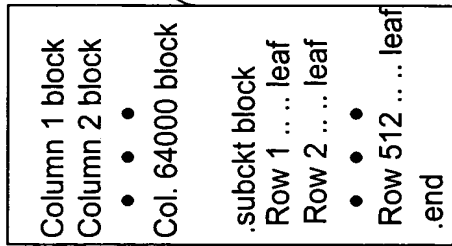


FIG. 3A
(Prior Art)

Flat Representation

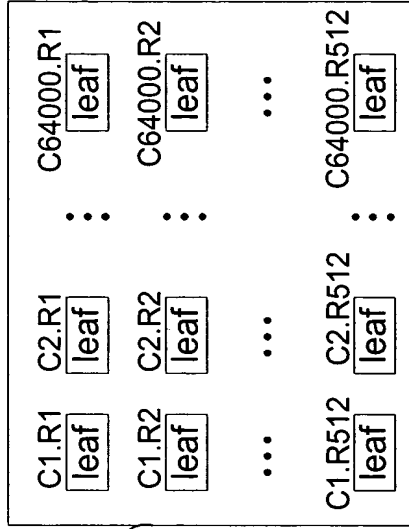


FIG. 3C
(Prior Art)

Physical Representation

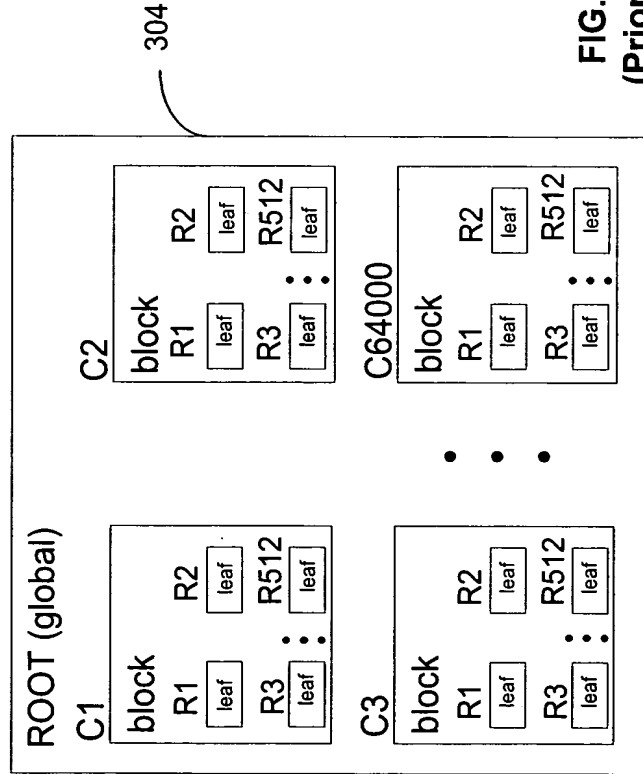


FIG. 3B
(Prior Art)

Hierarchical Representation

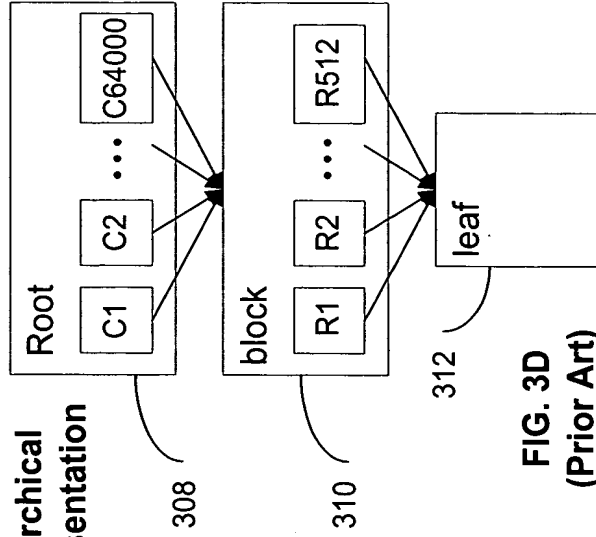


FIG. 3D
(Prior Art)

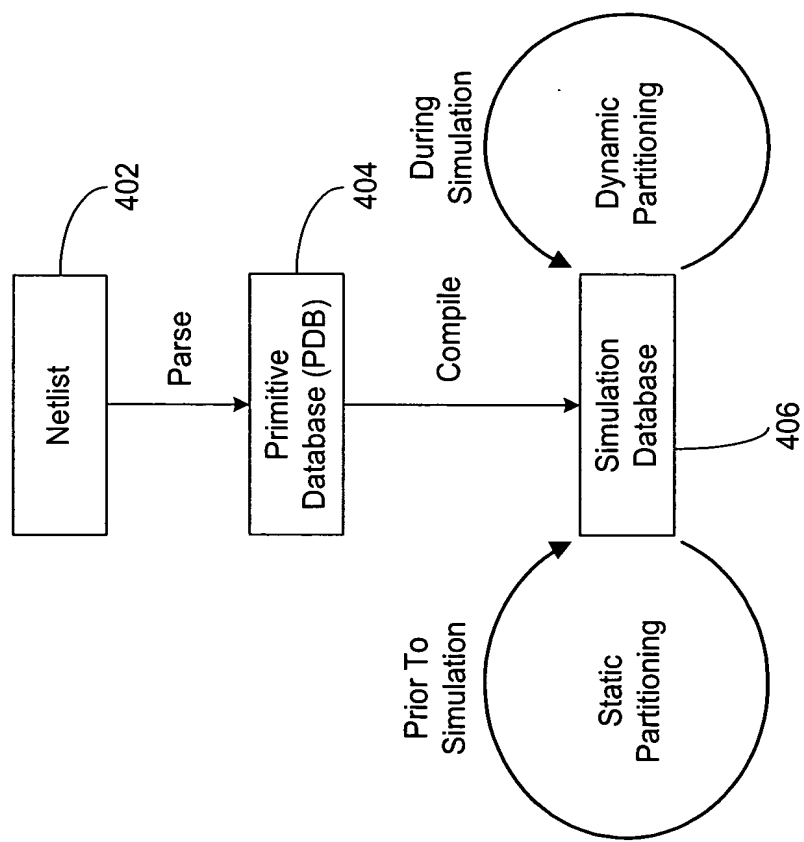


FIG. 4 (Prior Art)

Static Partitioning

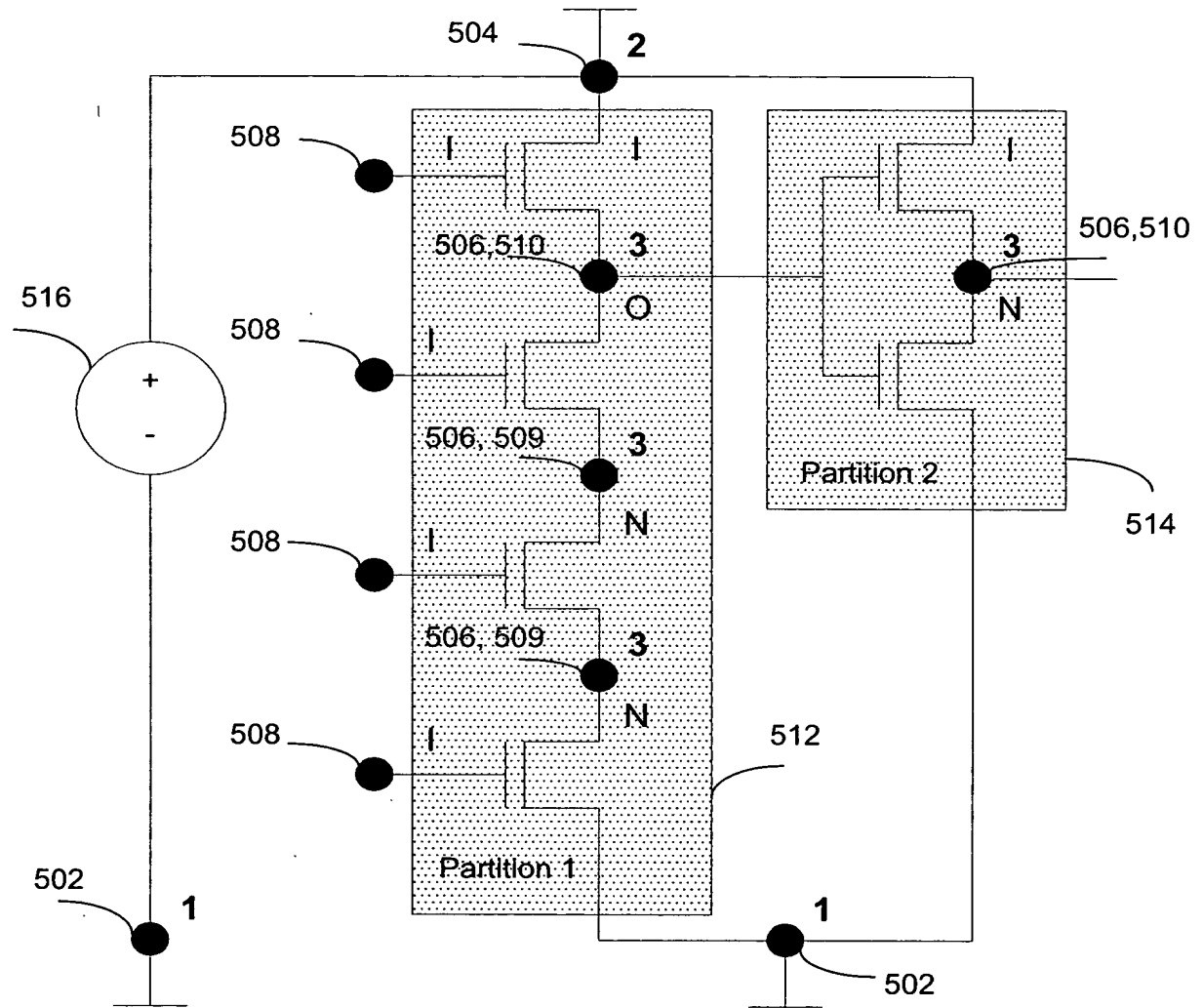


FIG. 5 (Prior Art)

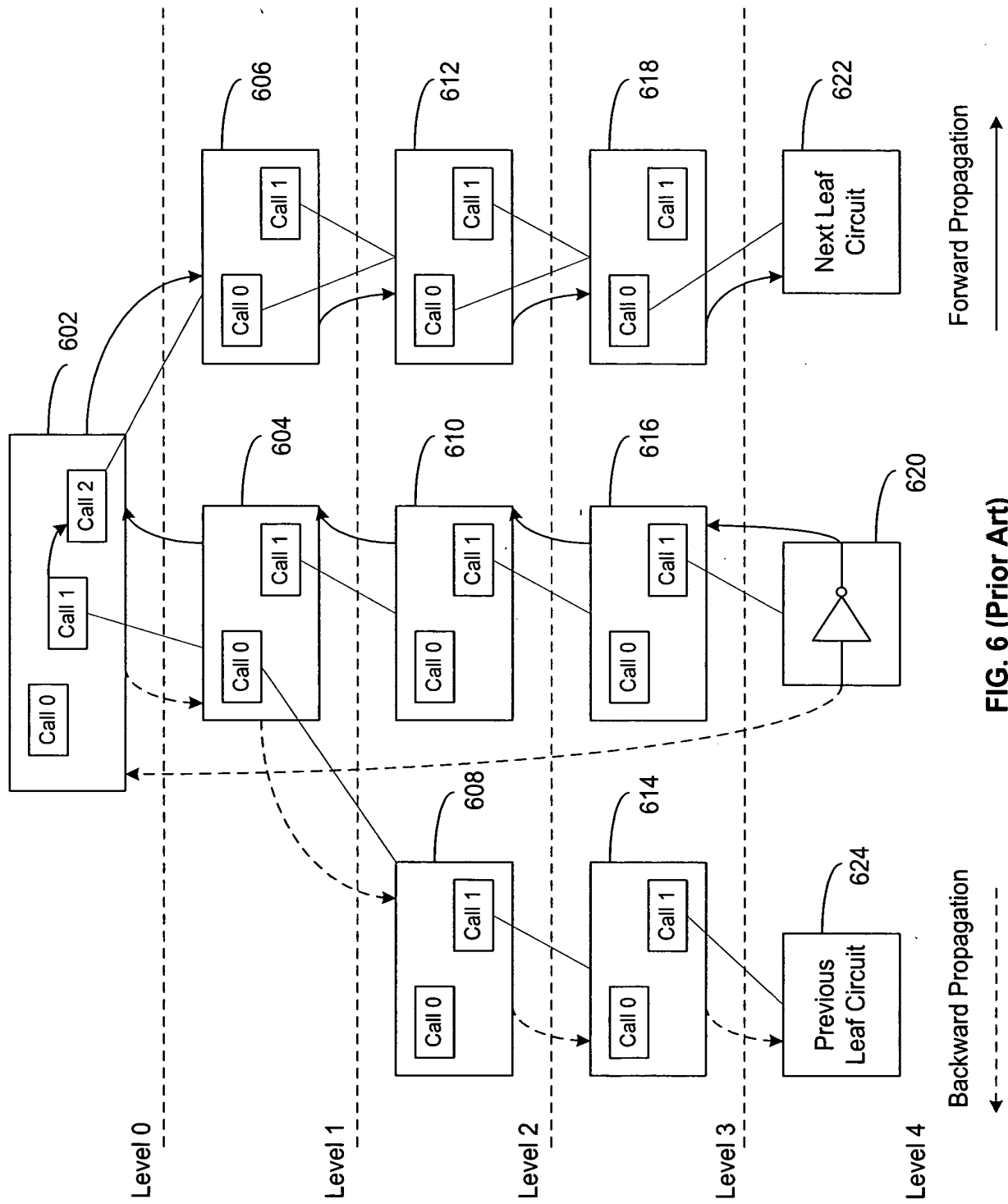


FIG. 6 (Prior Art)

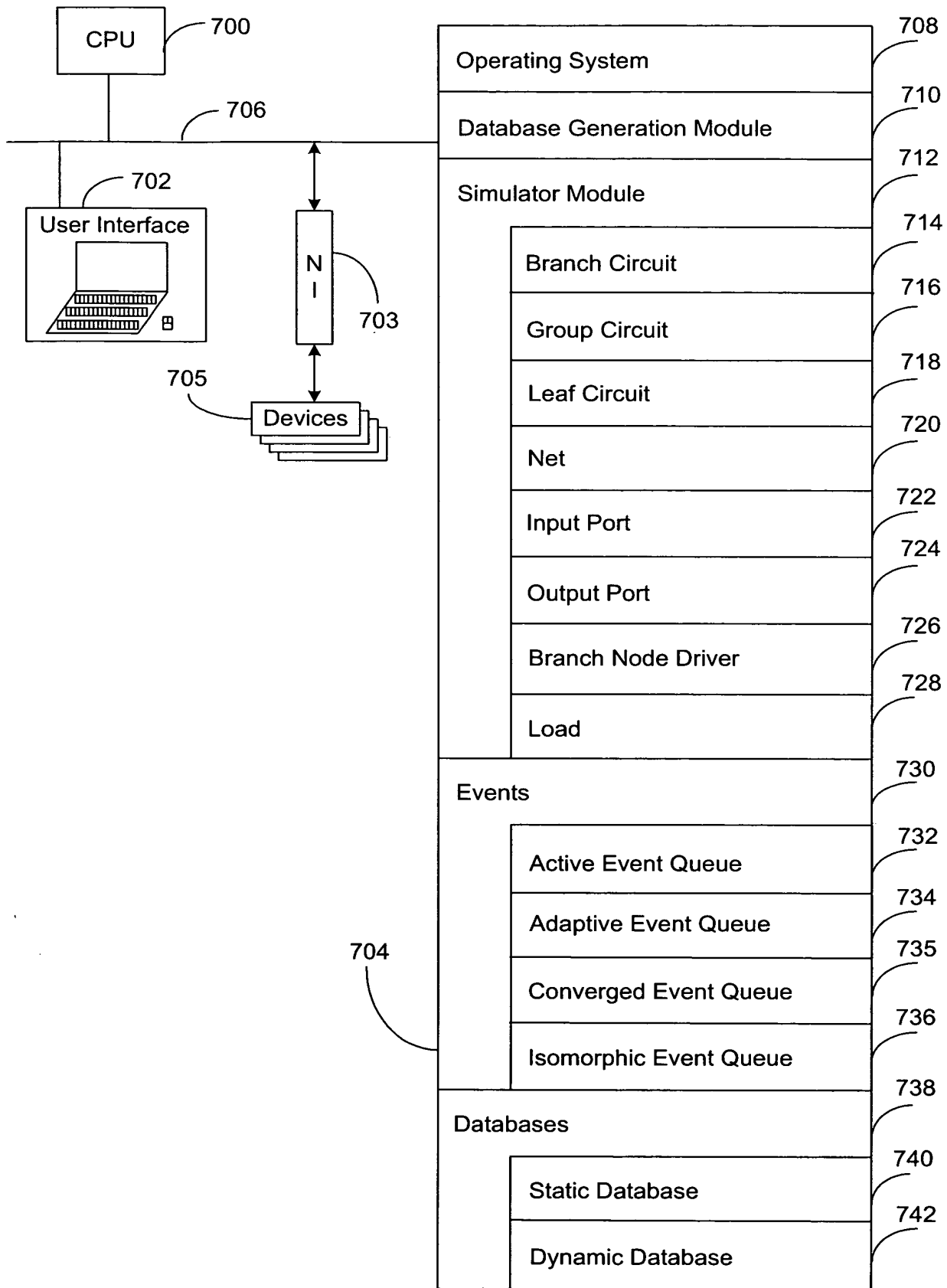


FIG. 7

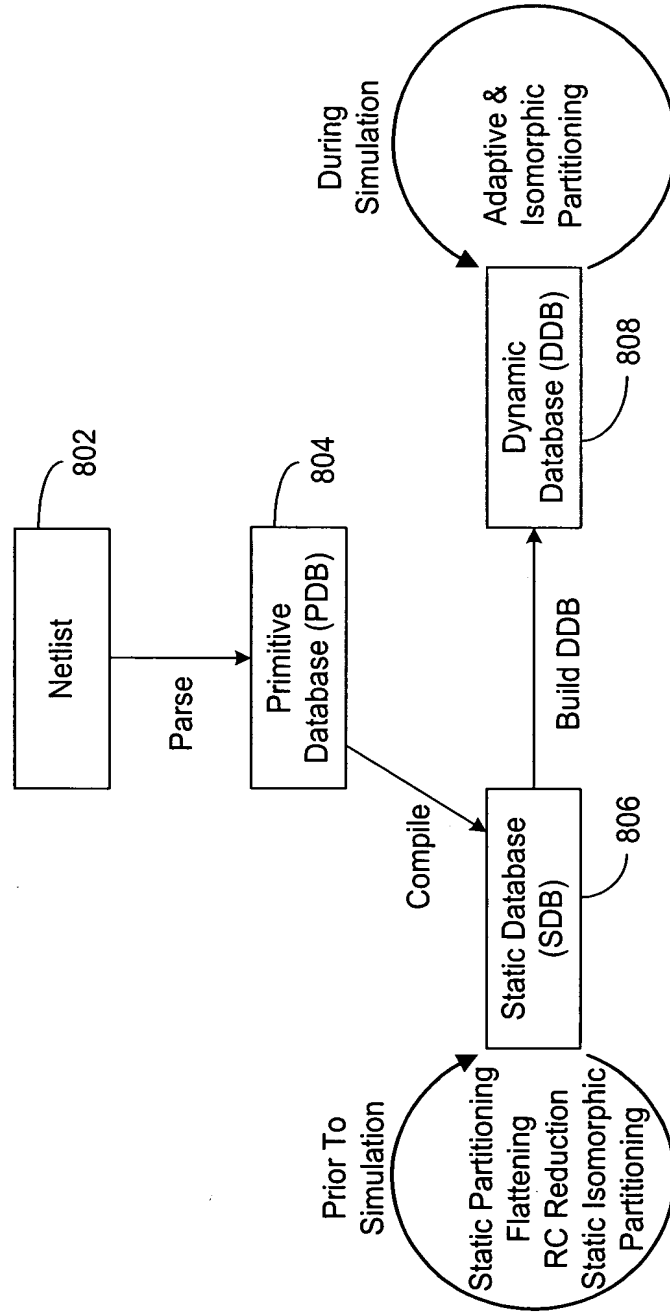


FIG. 8A

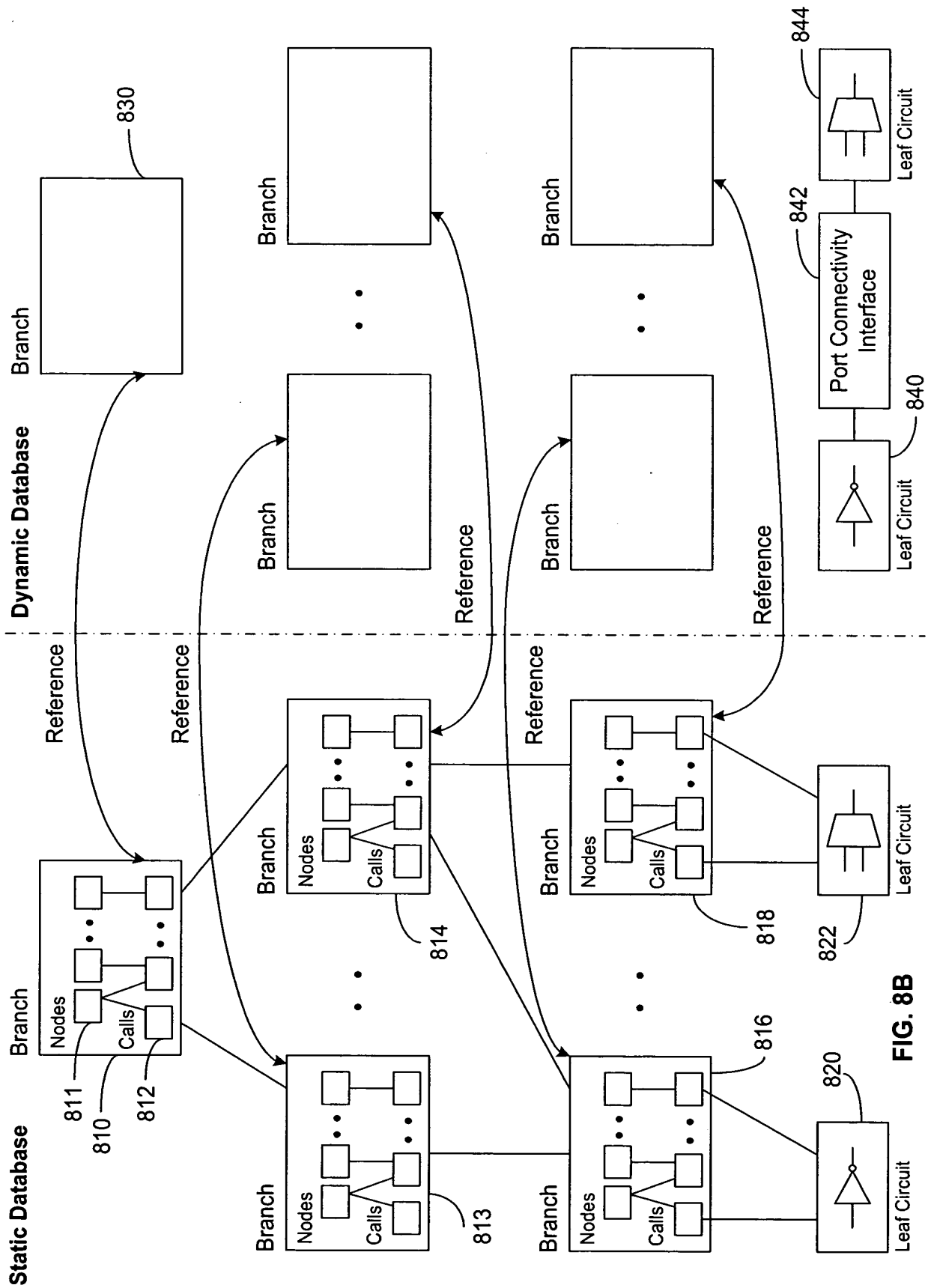
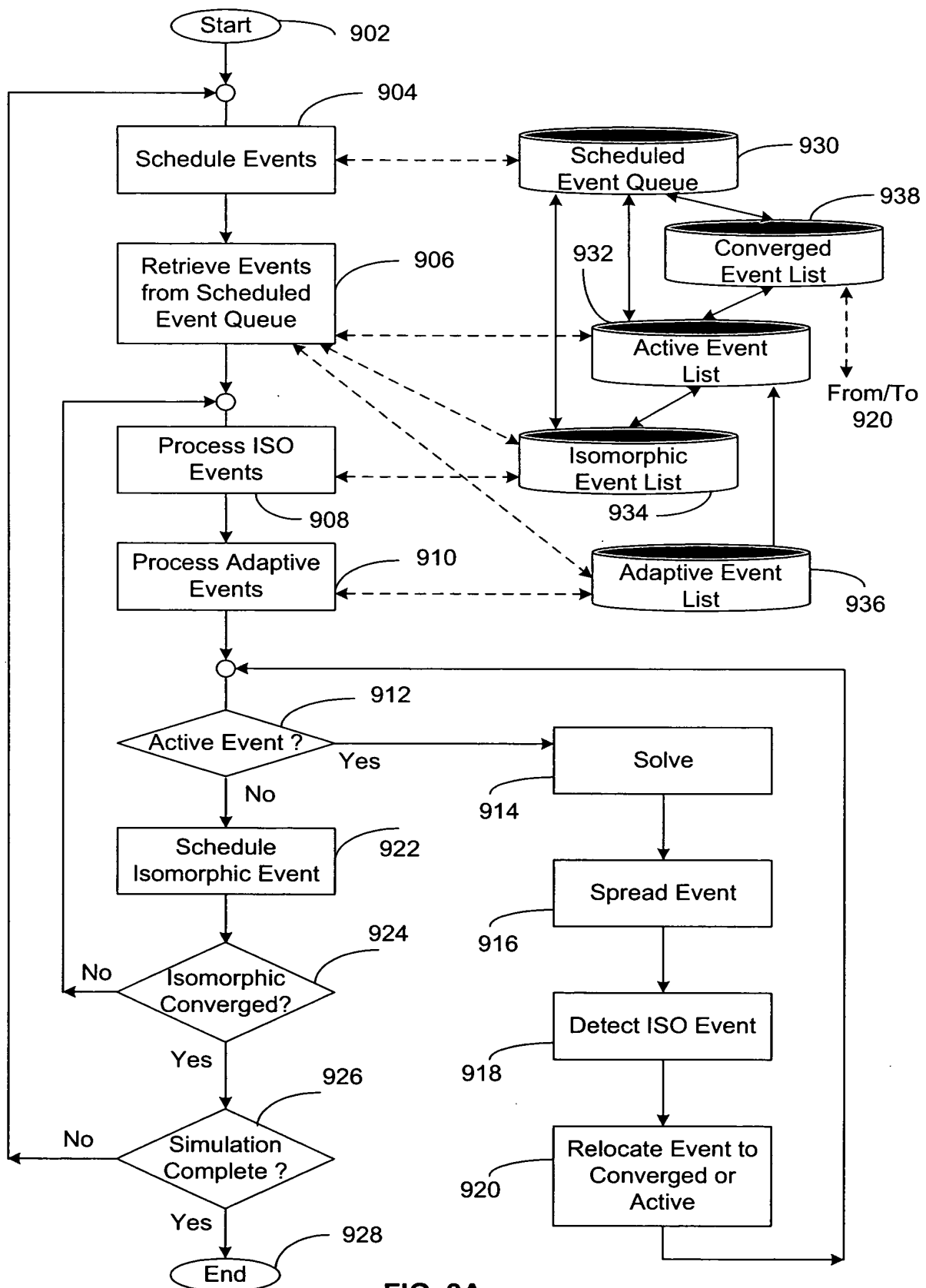


FIG. 8B



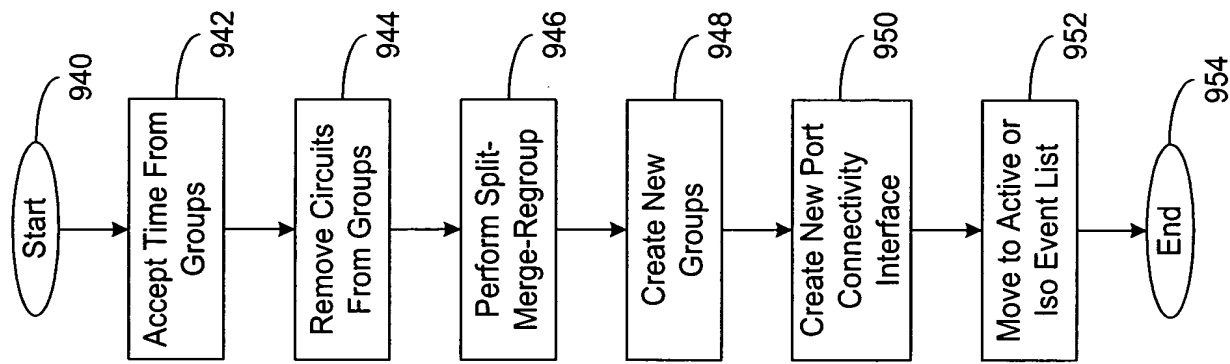


FIG. 9B

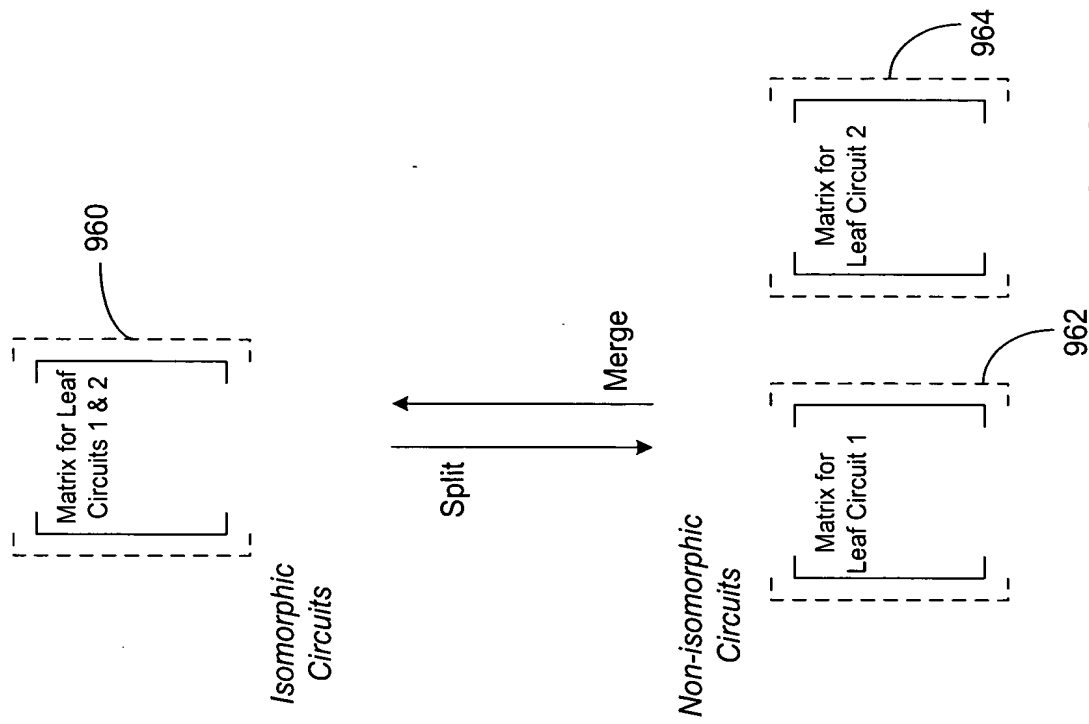


FIG. 9C

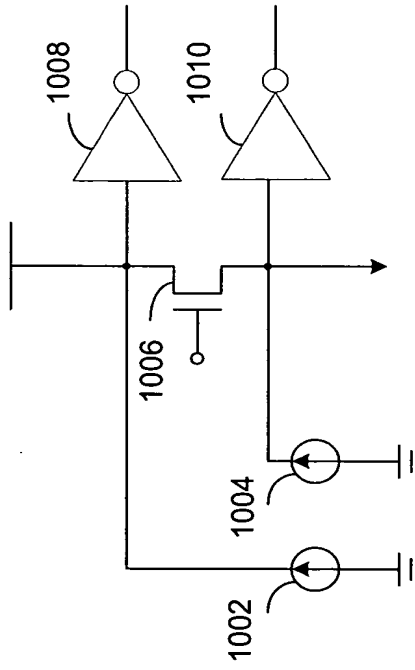


FIG. 10A

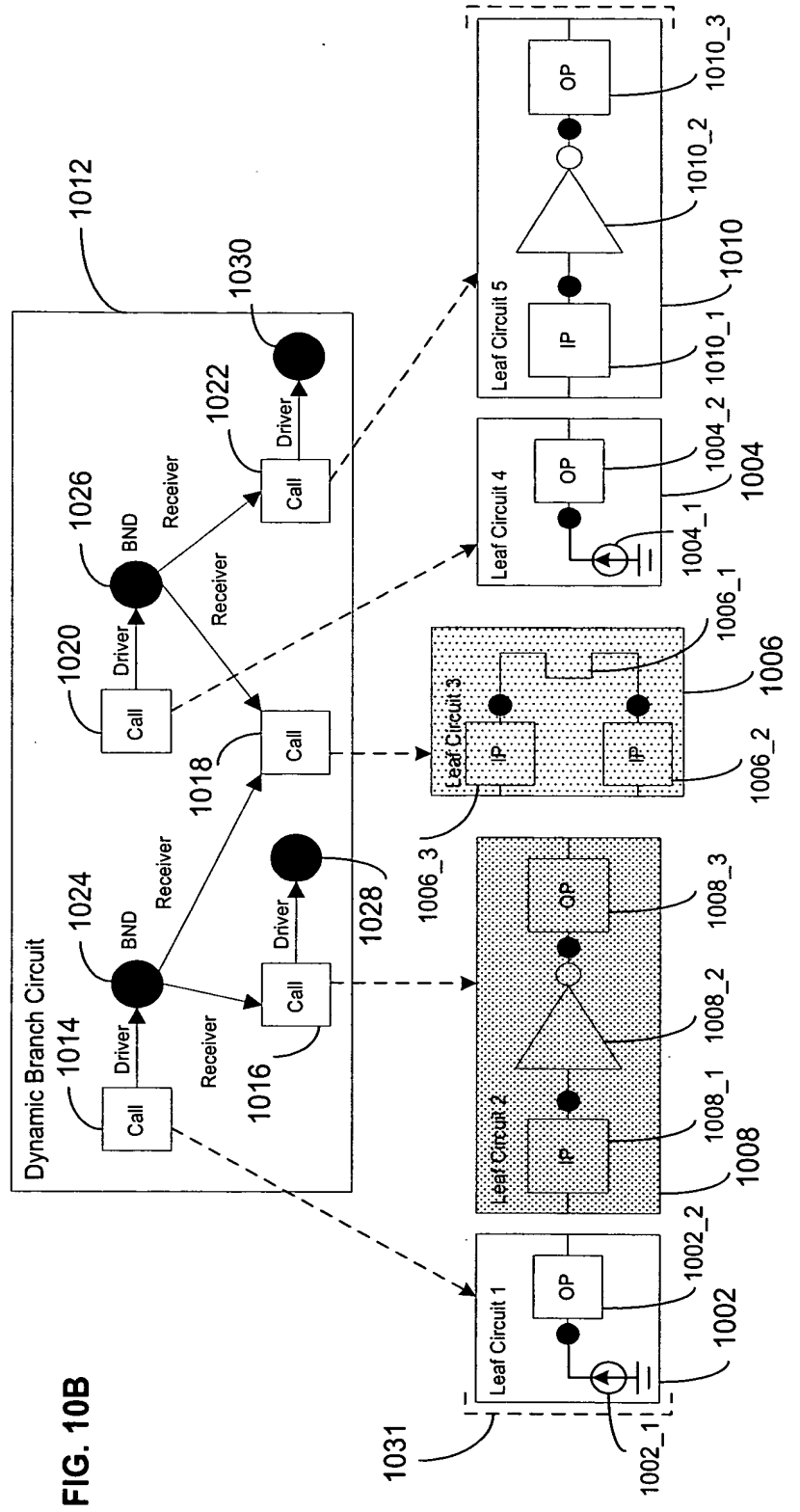


FIG. 10B

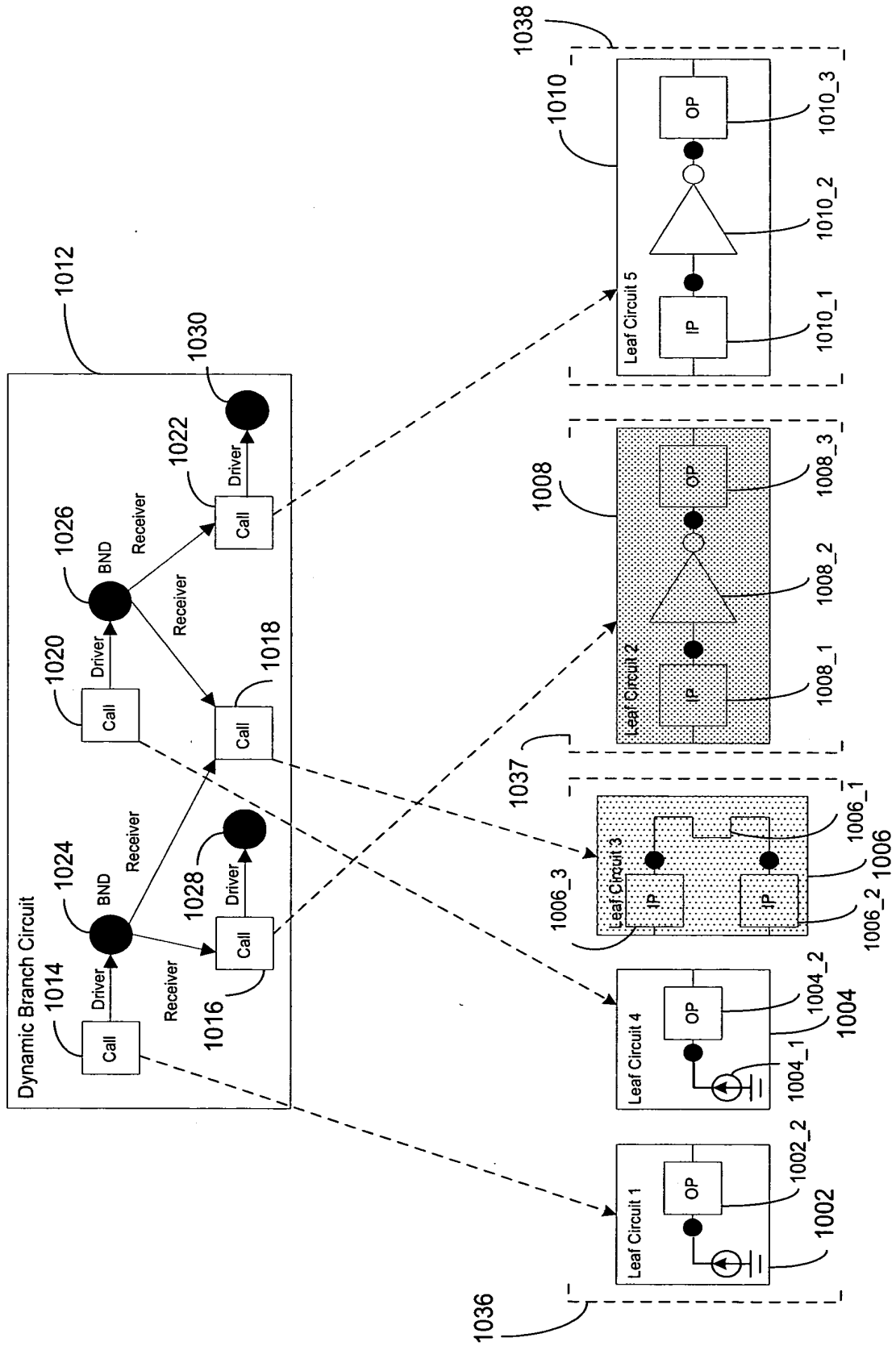
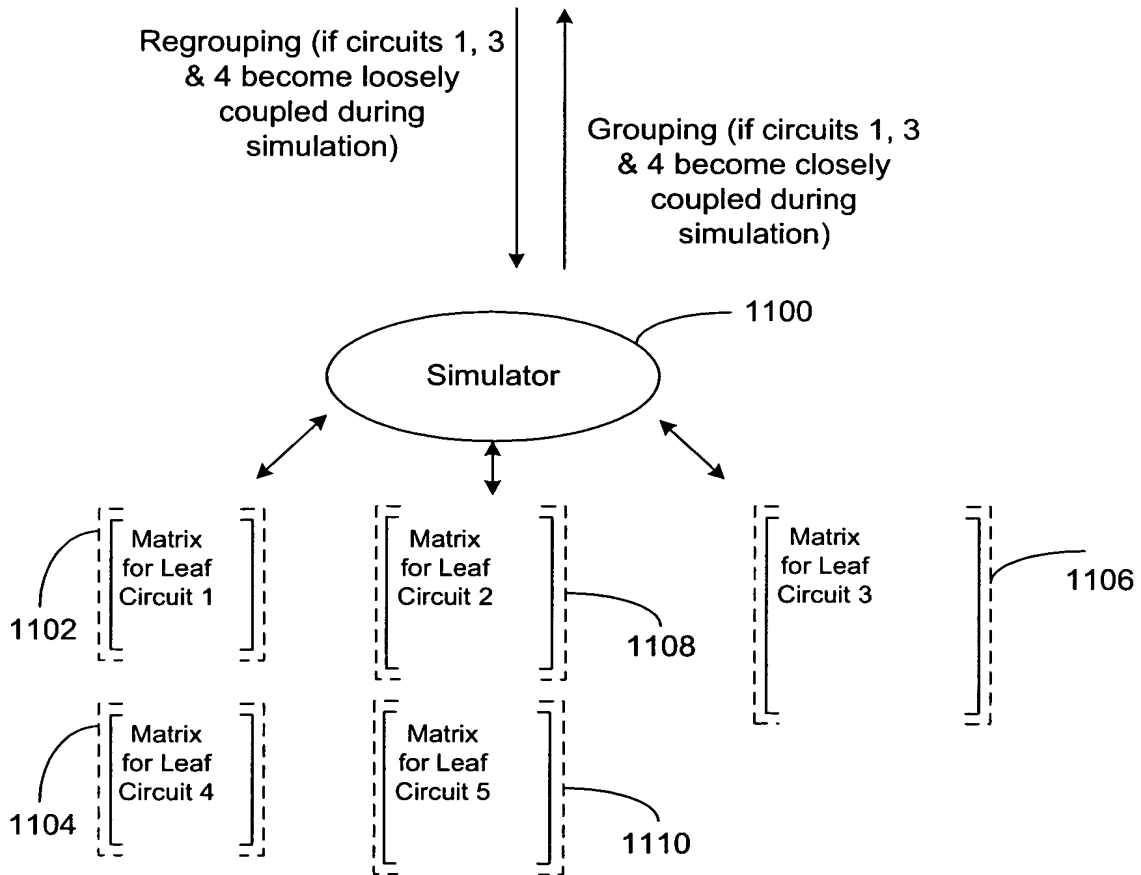
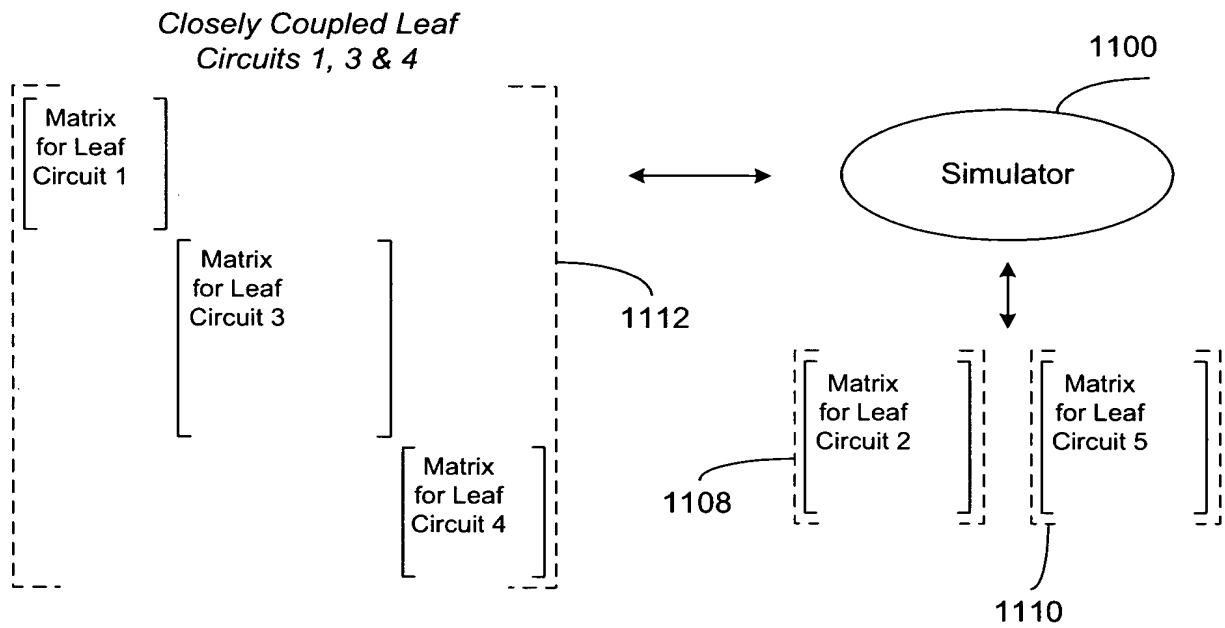


FIG. 10C



Loosely Coupled Leaf Circuits

FIG. 11

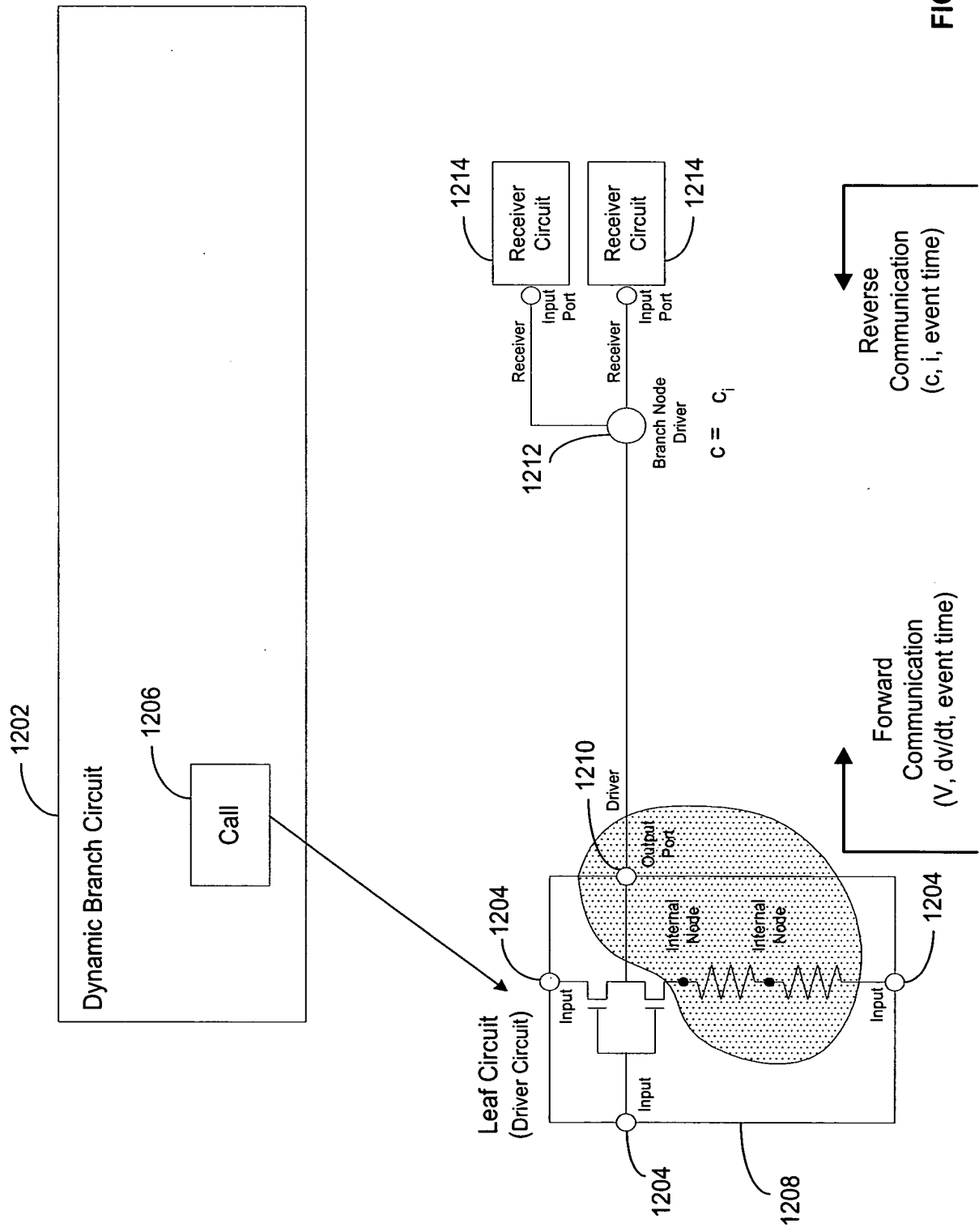


FIG. 12A

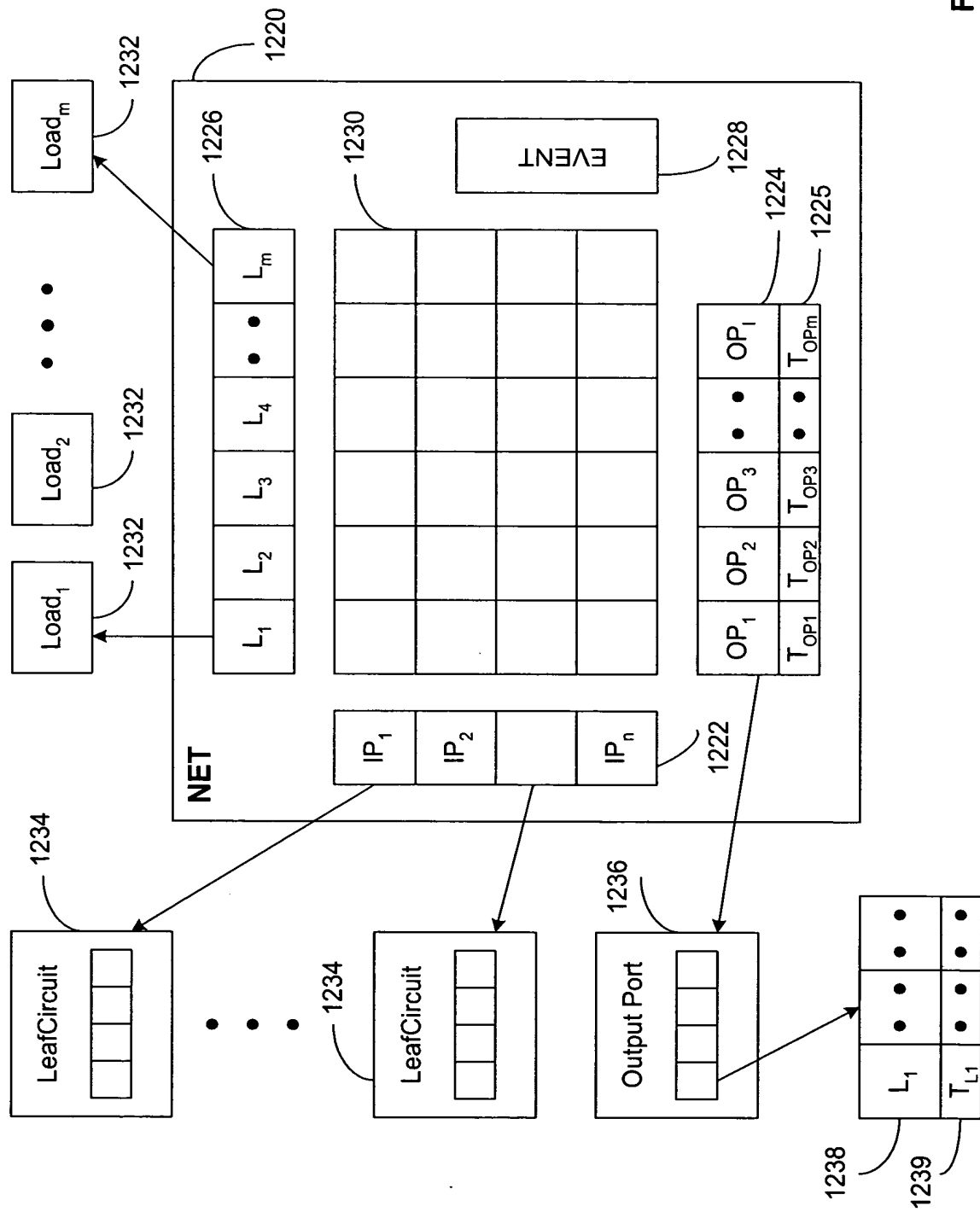


FIG. 12B

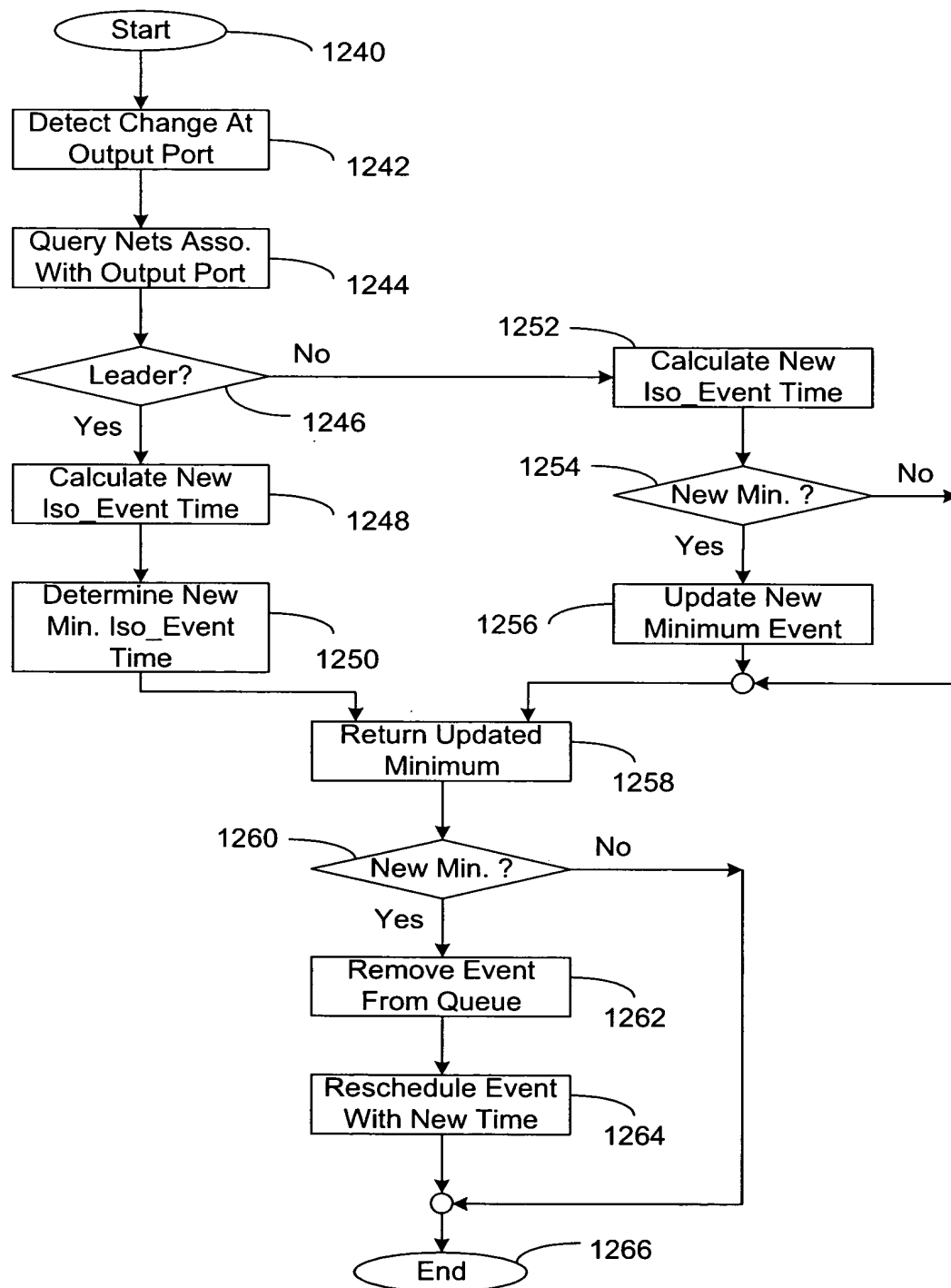


FIG. 12C

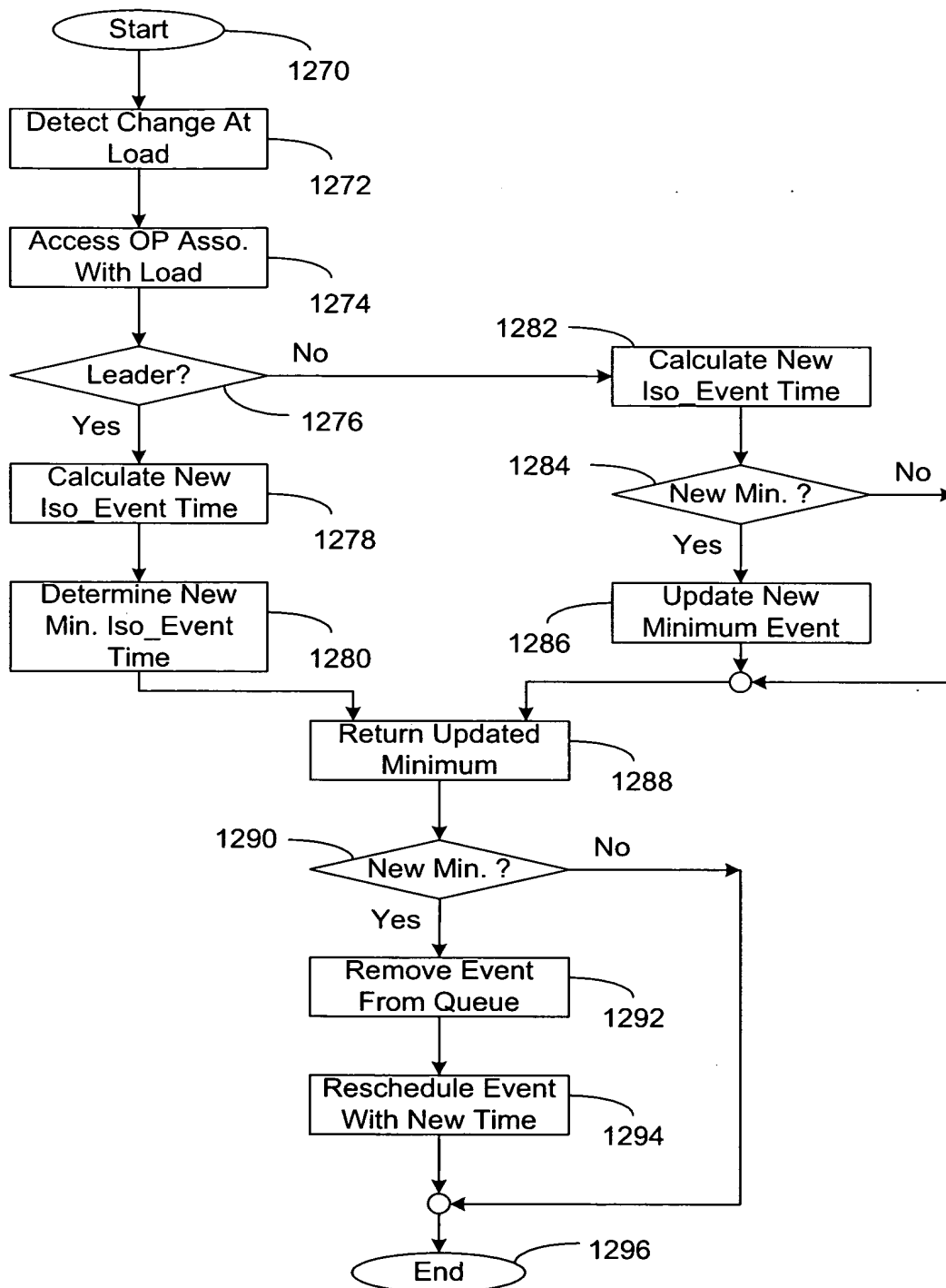


FIG. 12D

Event Diagram

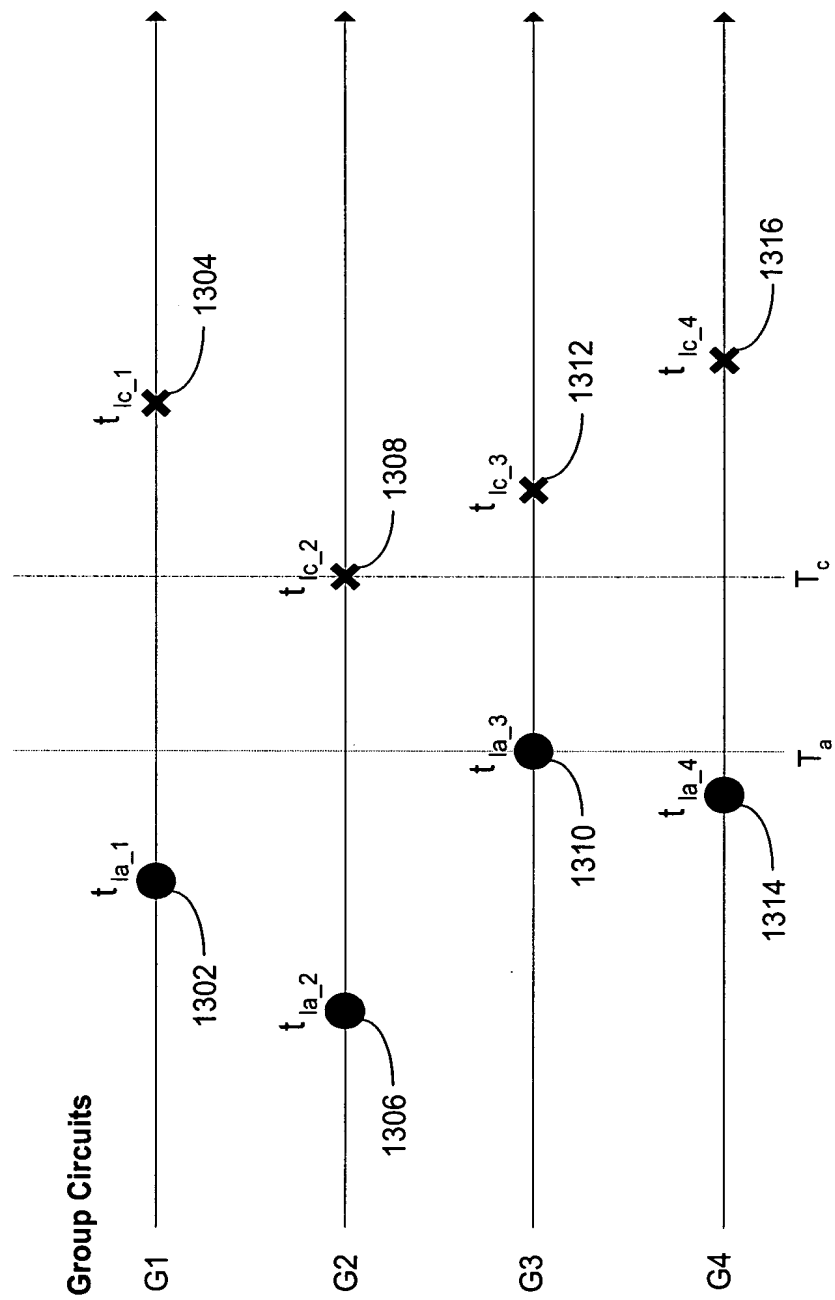


FIG. 13A

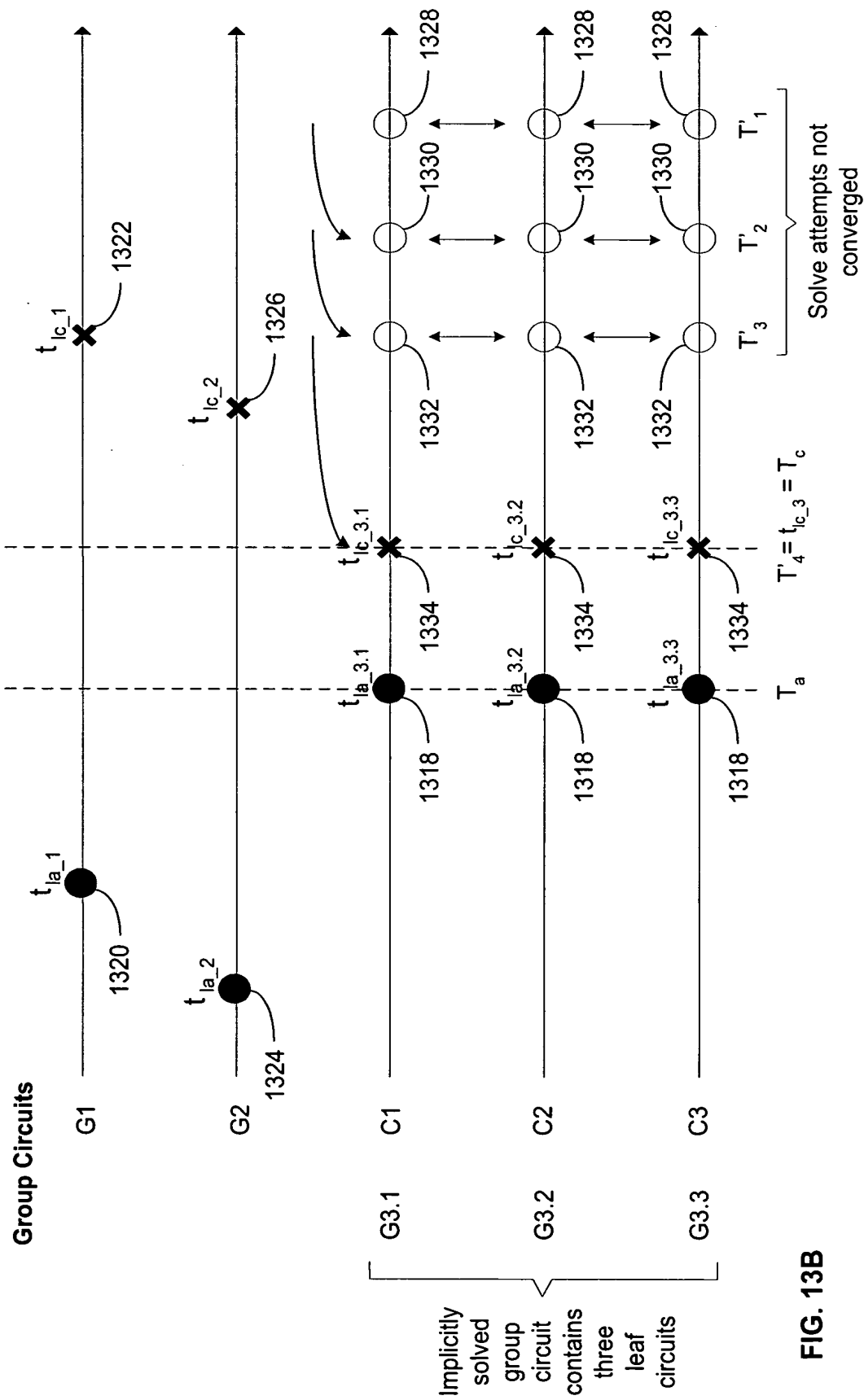


FIG. 13B

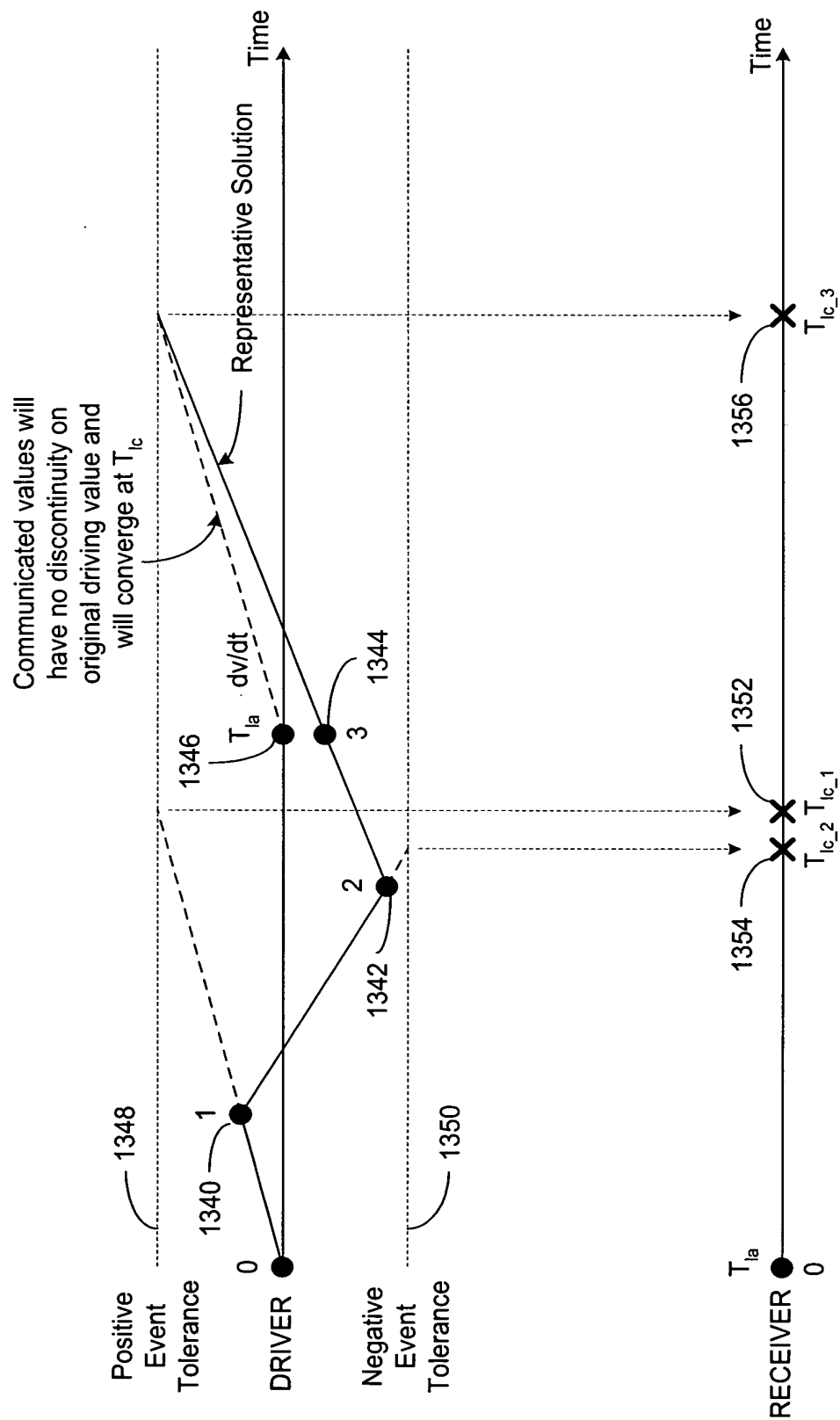


FIG. 13C

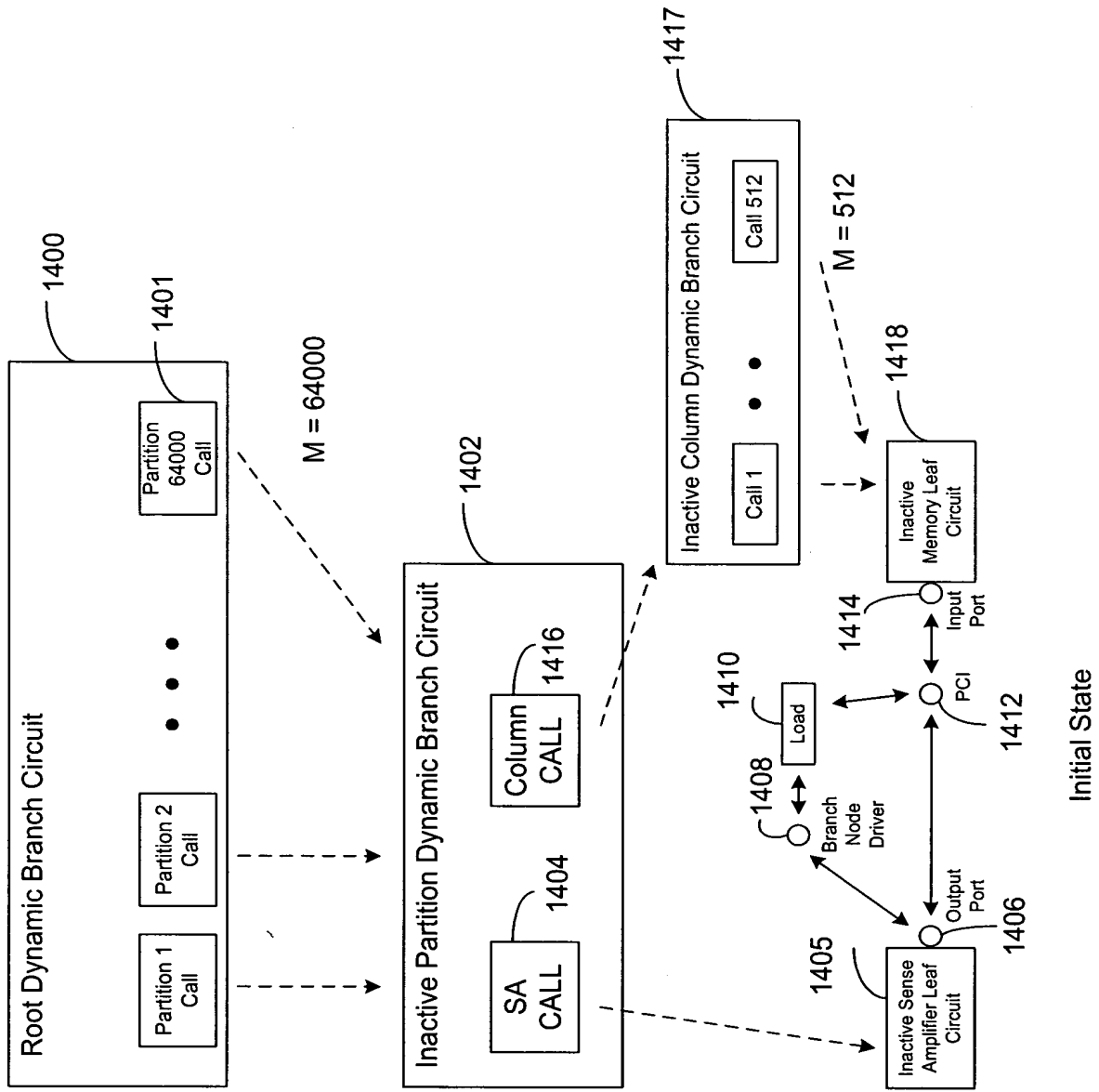
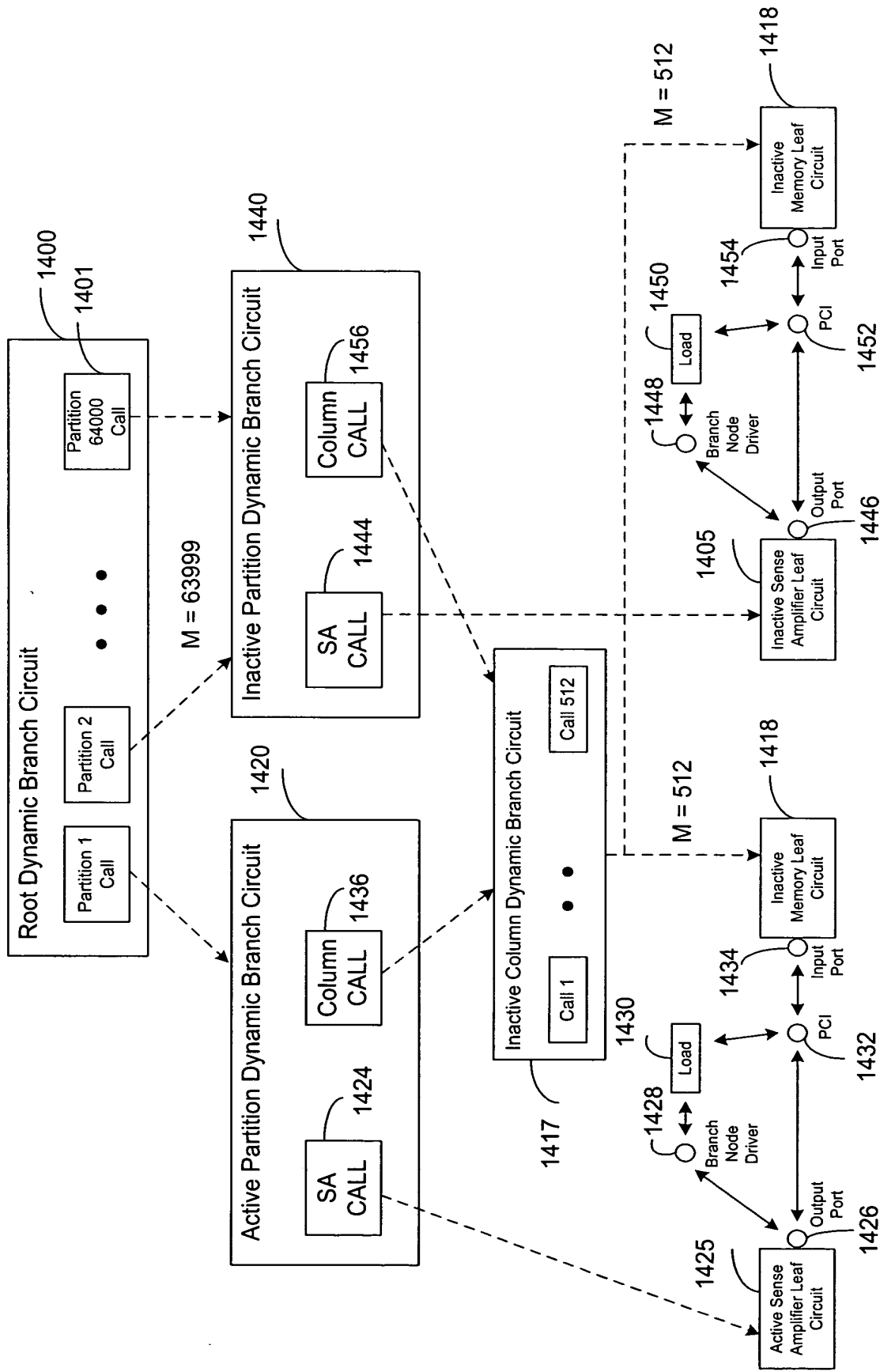


FIG. 14A



During Simulation When One Of The Sense Amplifiers Is Active
And The Column Driven By The Sense Amplifier Is Inactive

FIG. 14B

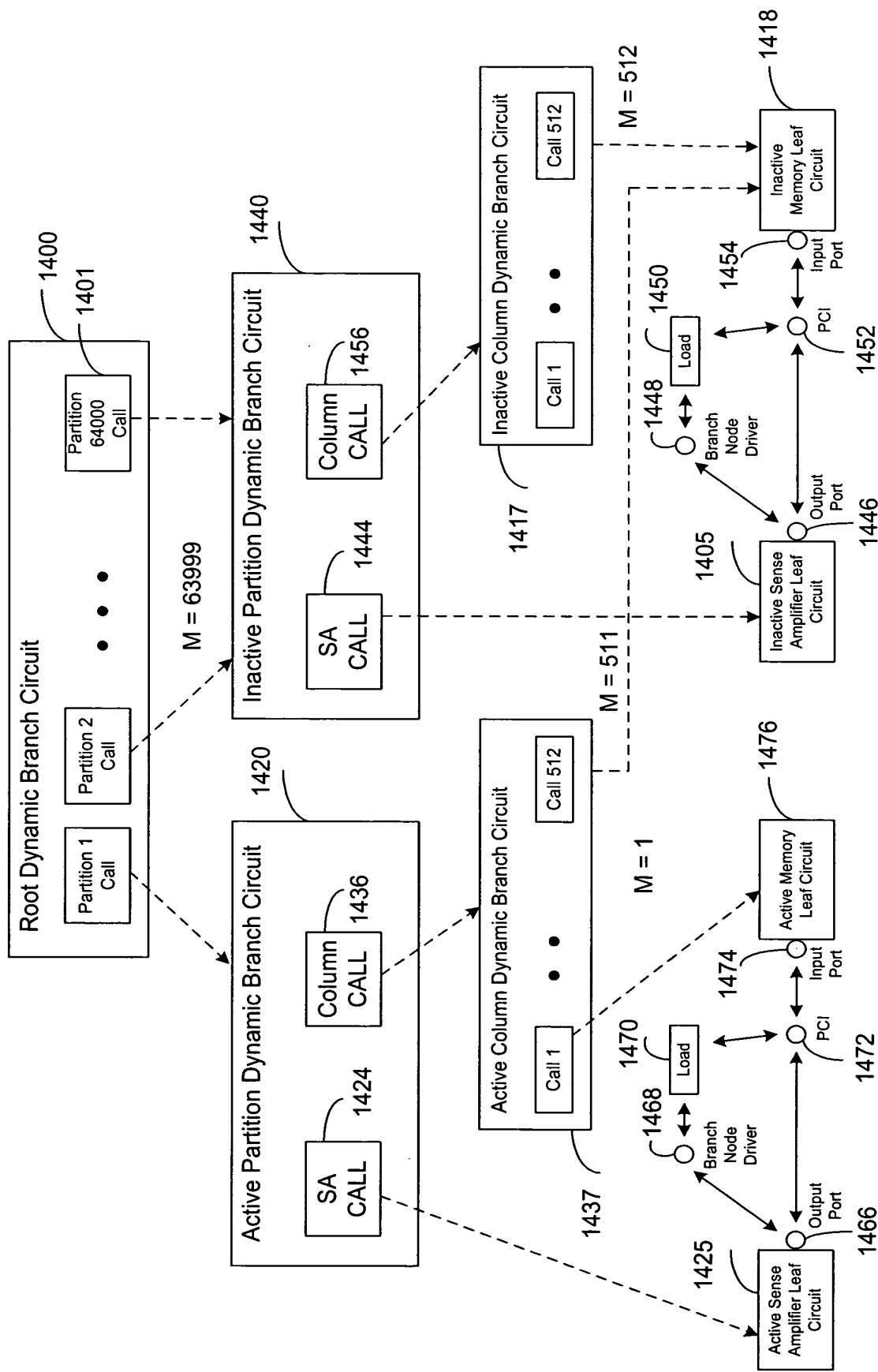


FIG. 14C During Simulation When One Of The Memory Leaf Circuits Driven By The Corresponding Active Sense Amplifier Is Active